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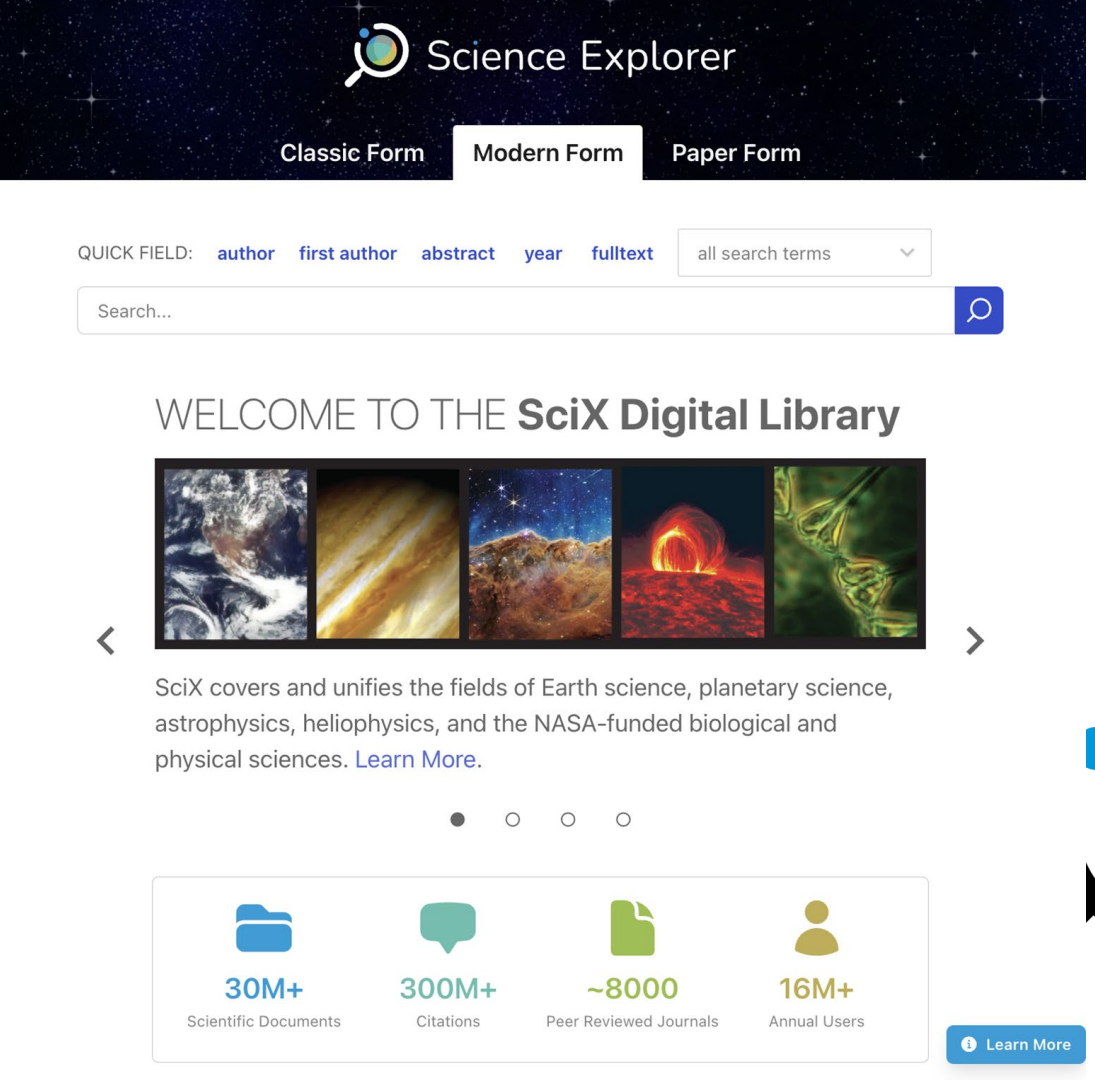
User Interface

Tim Hostetler, Jennifer Chen and The ADS Team

ADS Users Group Meeting, 20-21 Nov. 2025



Out of BETA!

Beta label removed on August 25th

SciX officially launched on September 29th

SciX

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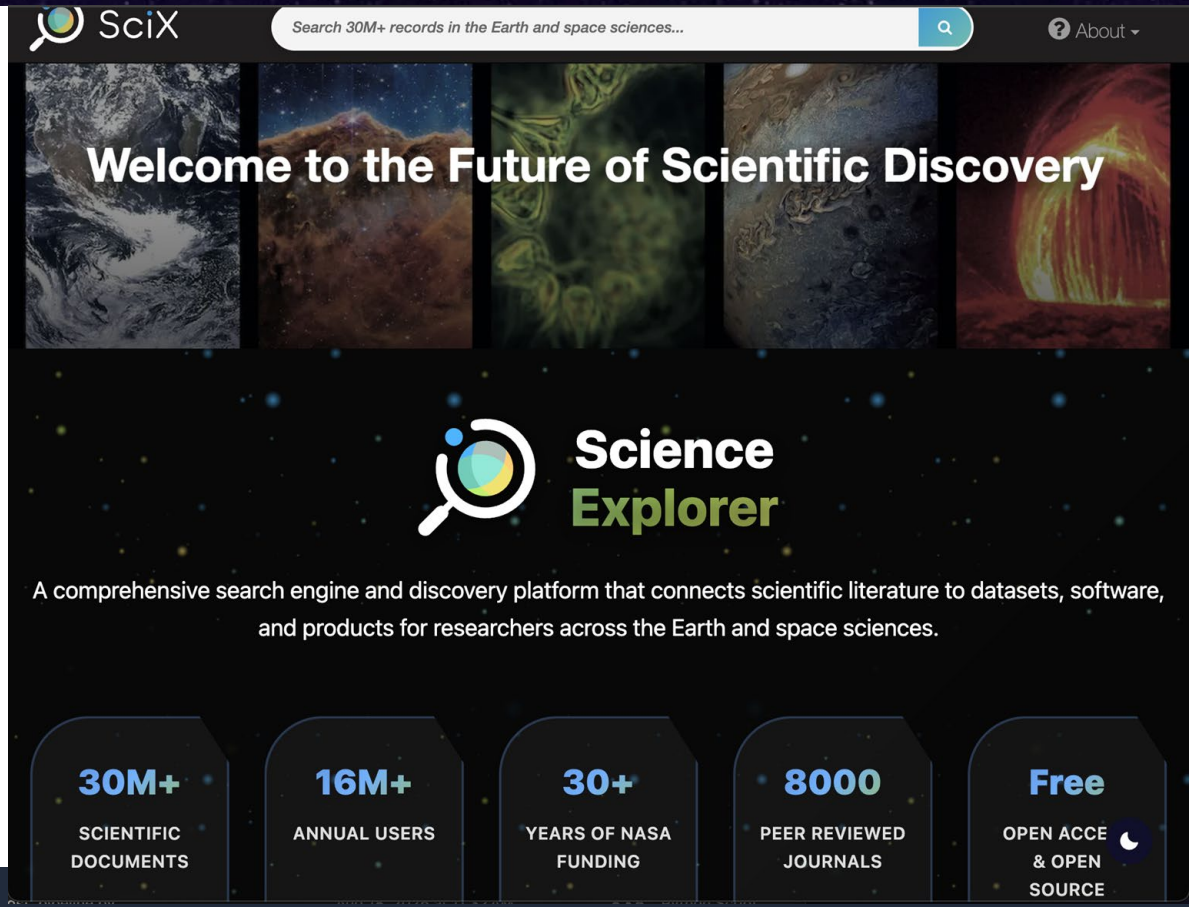
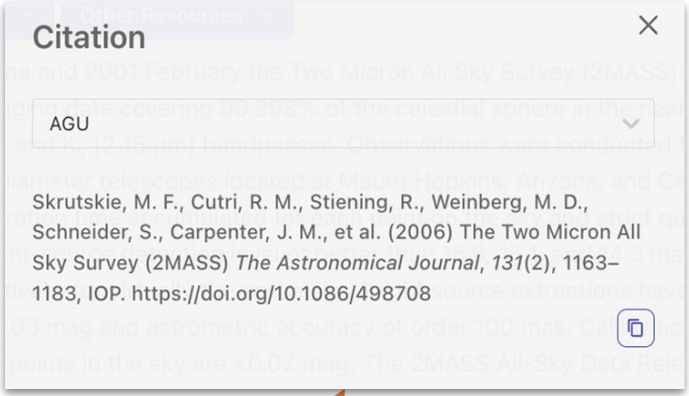
- New home page:
  - For users who have never heard of SciX before
  - Explains what we do and why it's better than other options
- Coming soon:
  - New “About” page
  - Will explain what the team does, our skills & strengths, etc.

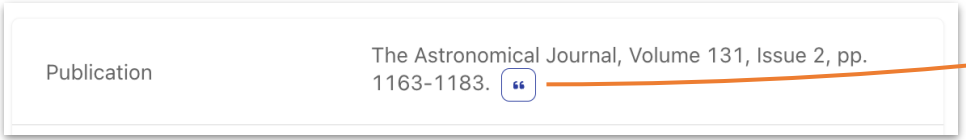


Abstract Page Updates

New Citation Formats

- Earth science journal formats: AGU, GSA, AMS
- Copy-formatted citation text



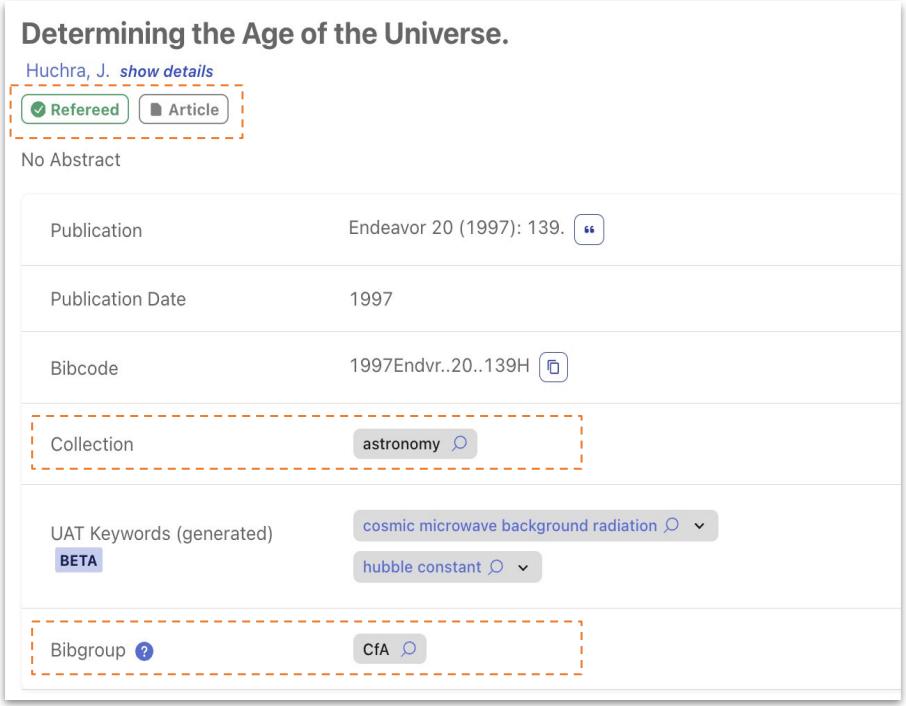


Abstract Page Updates

Added tags for important metadata not currently visible on the abstract page:

- refereed, document type, collection, erratum, bibliographic group

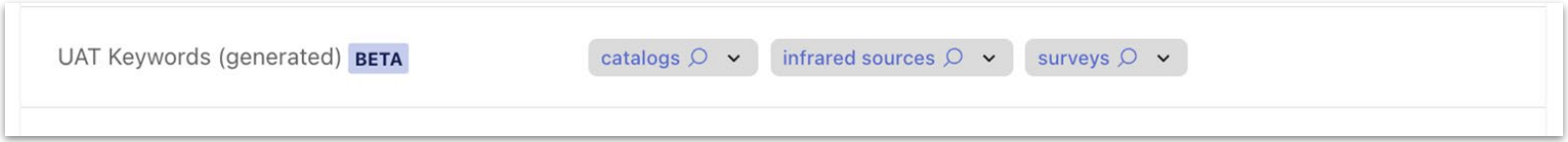
As we add a more diverse set of records, including dataset and software, we want to display more clues as to what each record is.



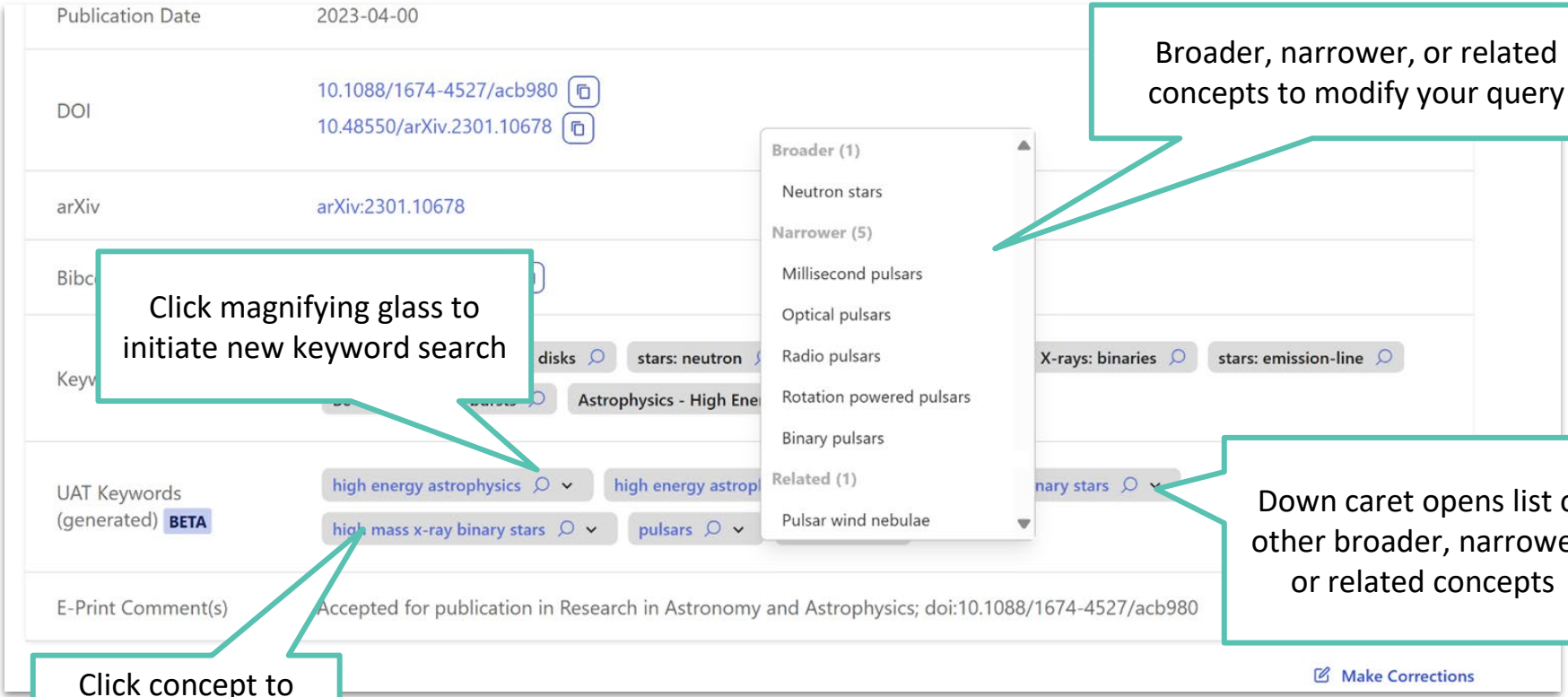
Abstract Page Updates

UAT Keywords

- Enhanced keyword display with related keywords and search capability



UAT Keywords



Broader, narrower, or related concepts to modify your query

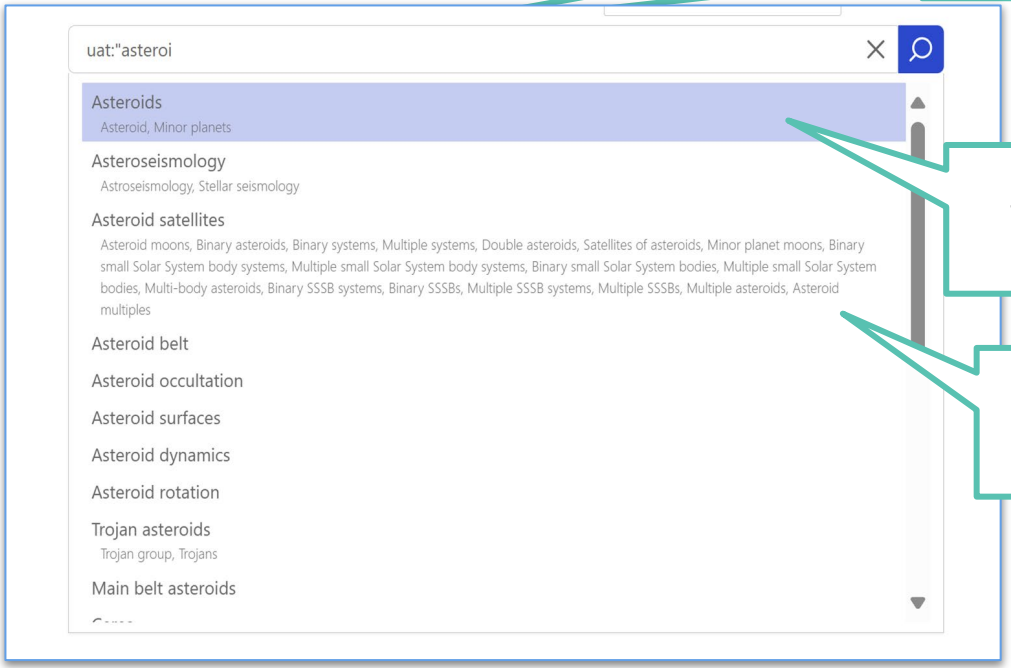
Click magnifying glass to initiate new keyword search

Down caret opens list of other broader, narrower, or related concepts

Click concept to access UAT API call

UAT autocomplete menu

UAT field searching is restricted to preferred labels



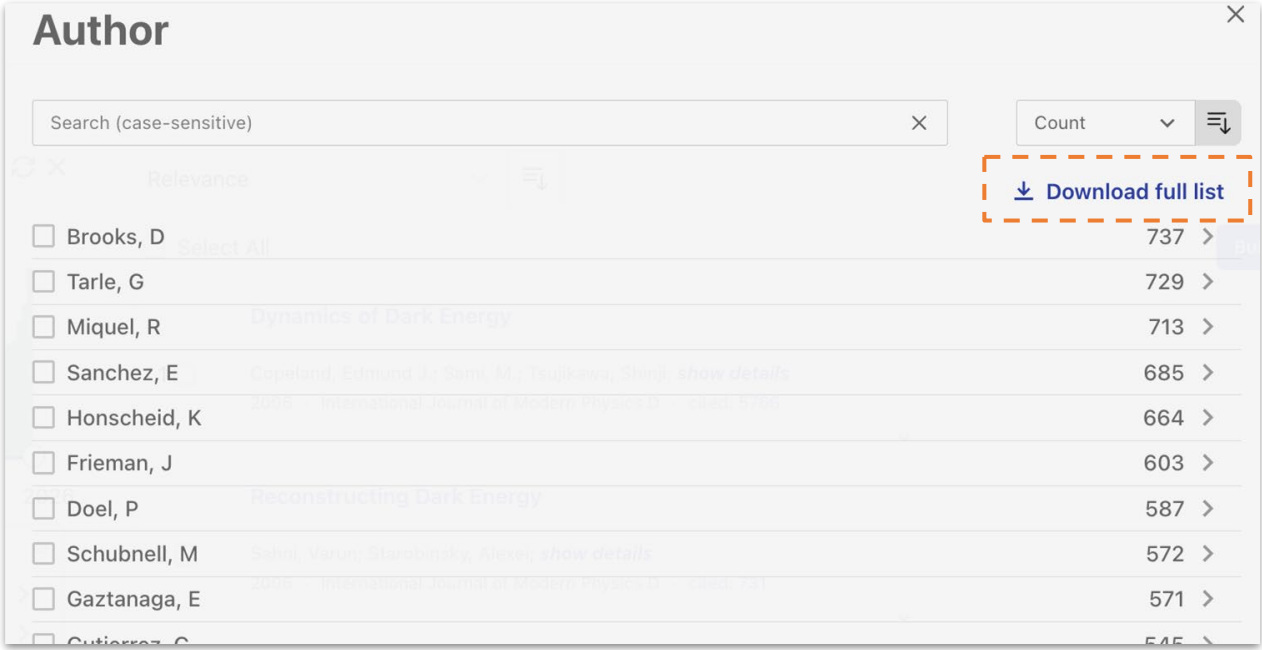
Suggests UAT concepts based on partial input

If input is similar to alternate label for UAT concept, suggests preferred label

Lists all alternate labels so you can see what is most familiar to you

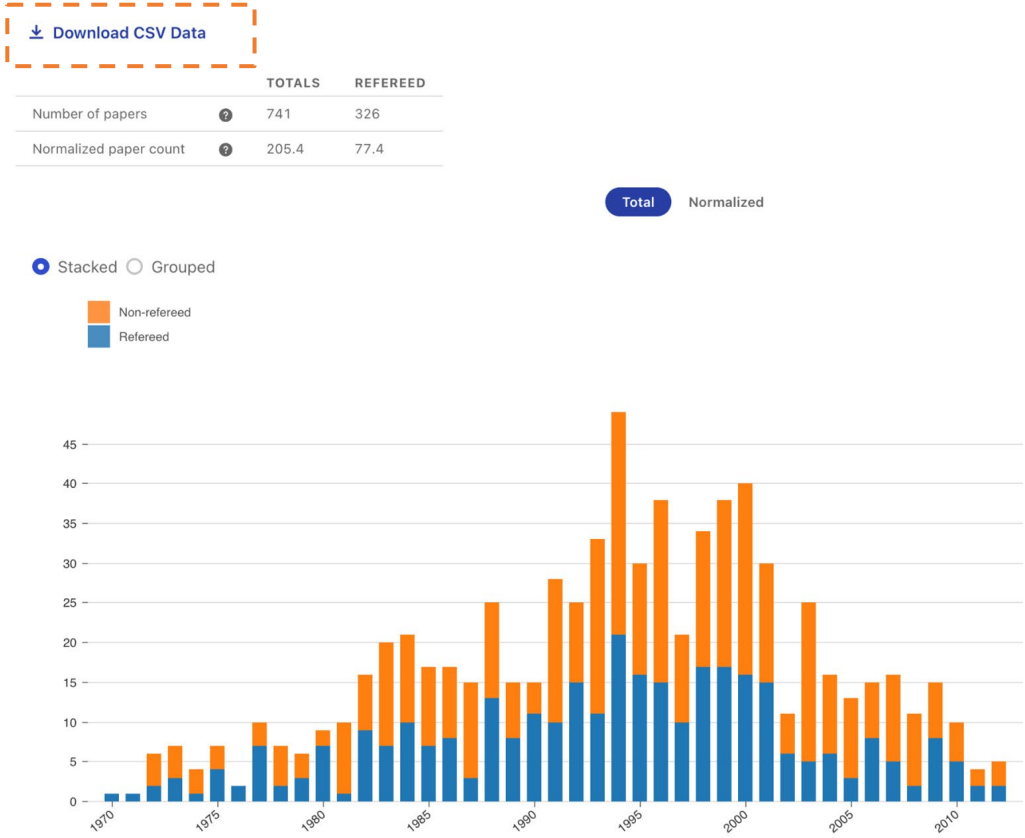
Download Facet Data

- Now available on all facets



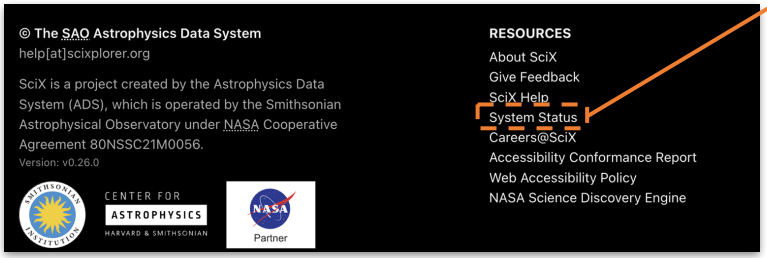
Download Visualization Data

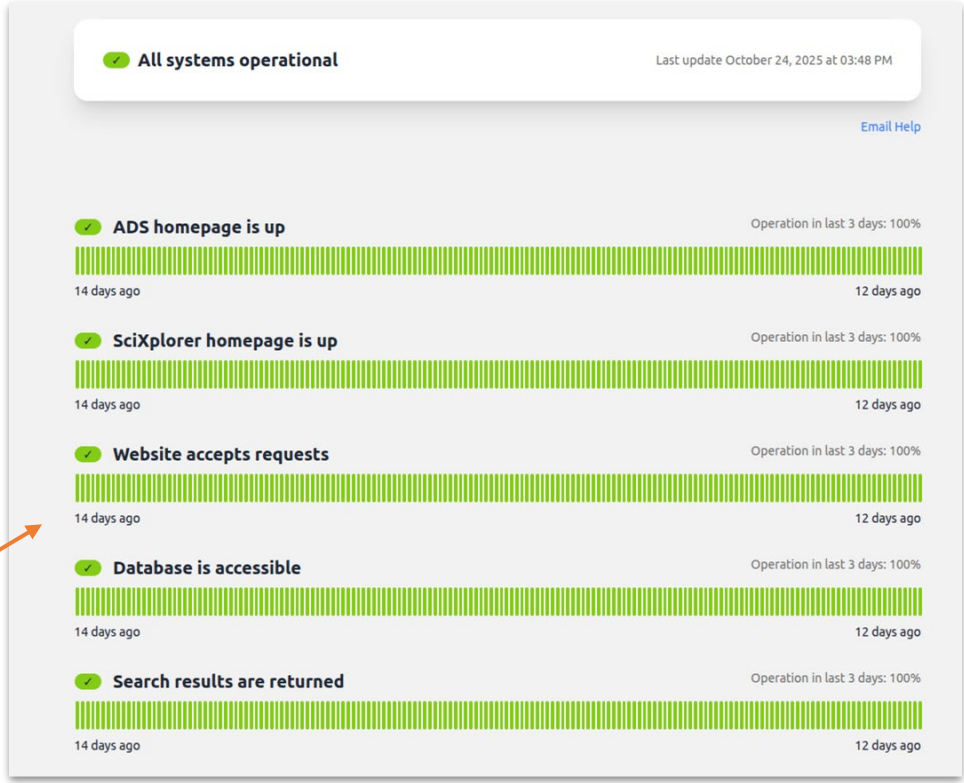
- Available on all visualizations
- Allows you to download the data behind each visualization, to further analyze the information available



New System Status Page

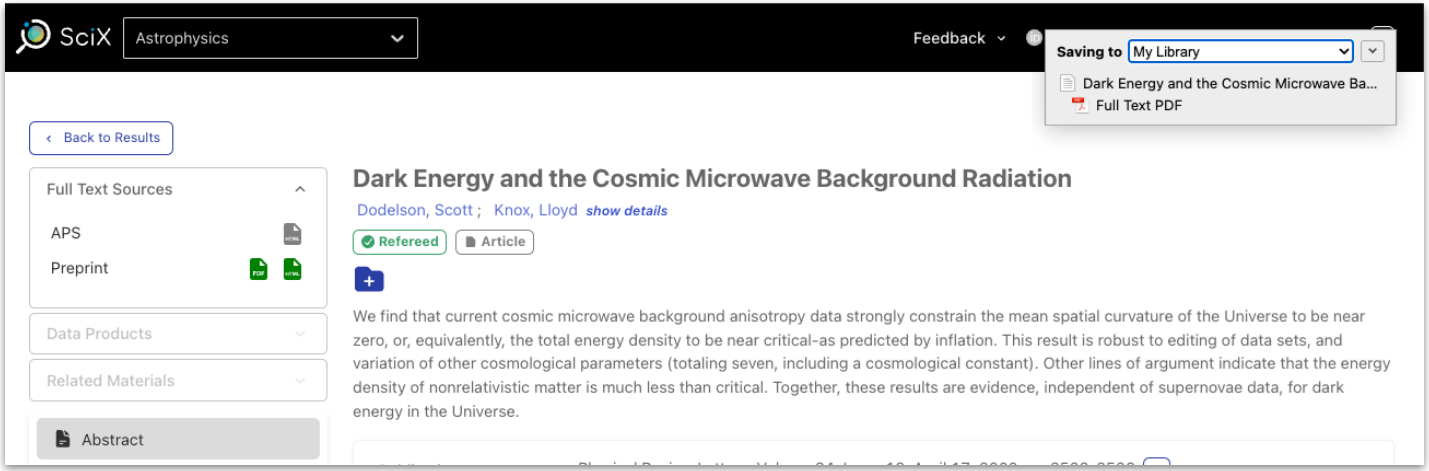
- Linked in the footer on both ADS and SciX
- Allows users to see the current status and from the last few days for the ADS and SciX homepages and basic functionality





Zotero Interoperability

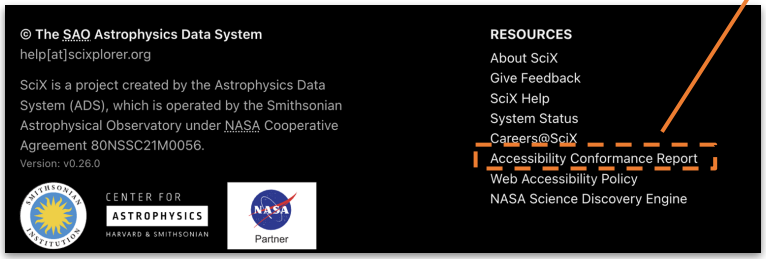
- Zotero is a third-party bibliography management tool
- We've updated the Zotero plugin to save articles from SciX (was already working for ADS)

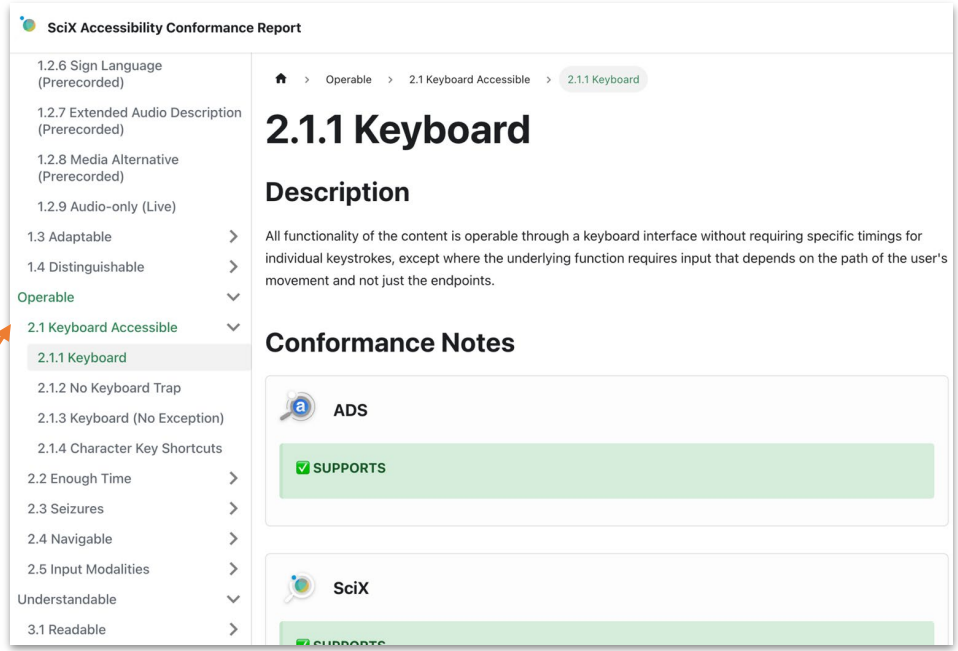


Accessibility Conformance Report

Created a Voluntary Product Accessibility Template (VPAT)

- Report on our current level of conformance to the WCAG accessibility standards
- Linked from footer in both ADS and SciX
- We meet the WCAG 2.x standard





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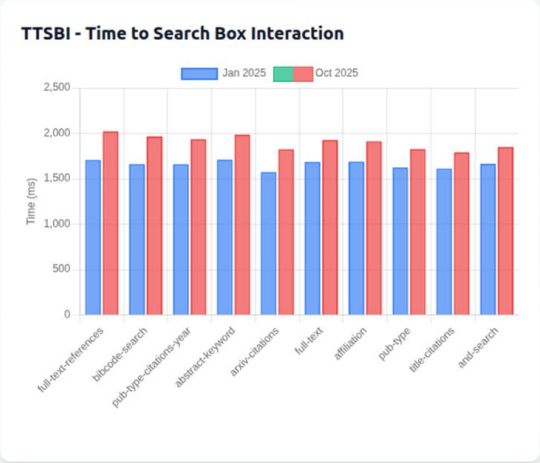
SciX Performance Report

January 2025 vs October 2025

- **Slight improvements to render time, possibly due to switching to client-side rendering on search results page**

*** These tests were done with no throttling**



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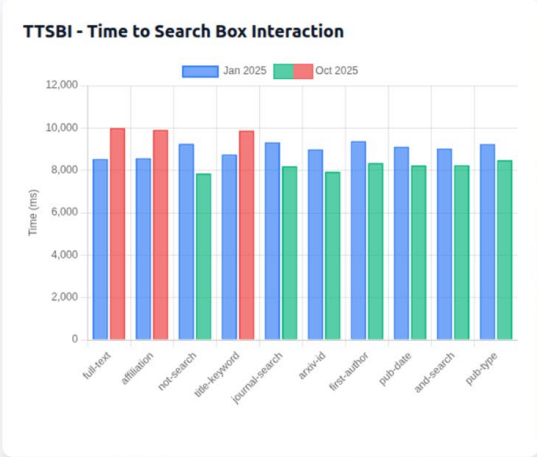
SciX Performance Report

January 2025 vs October 2025 (6x CPU throttling)

- **Some improvements to performance when under a load**

*** These tests were done with the CPU throttled at 6x slower**



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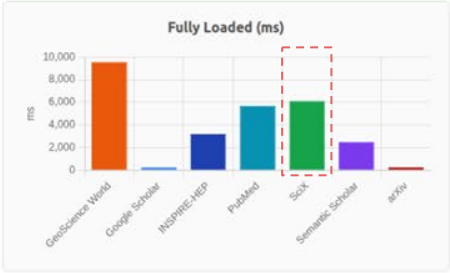
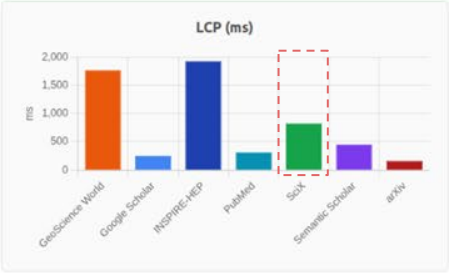
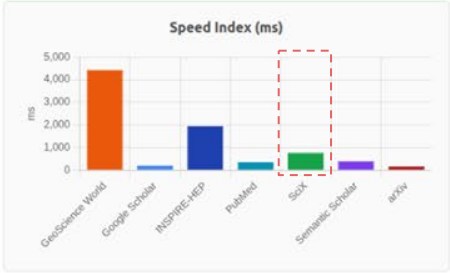
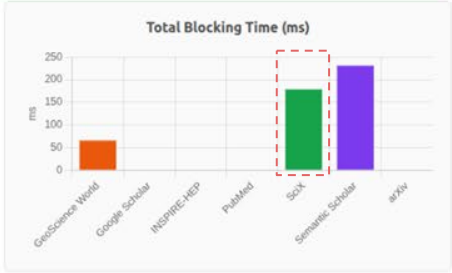
Competitor Performance Comparison: Home Pages

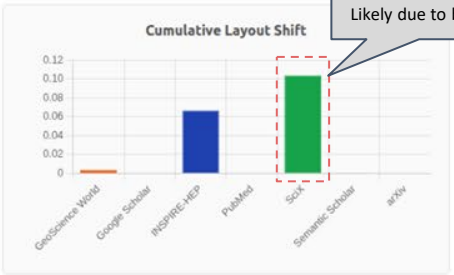
Home Pages (9 sites)



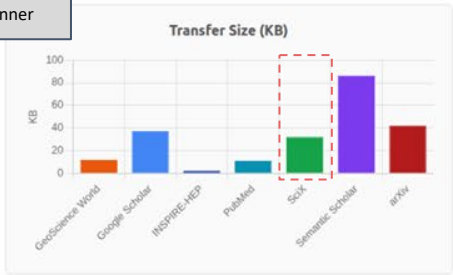


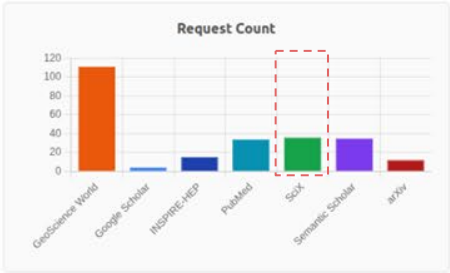






Likely due to banner





📊 Lower values are better for all time-based metrics (ms). For CLS, lower is better (target < 0.1).

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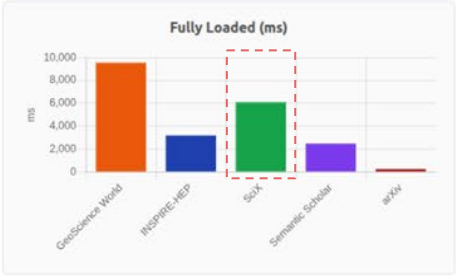
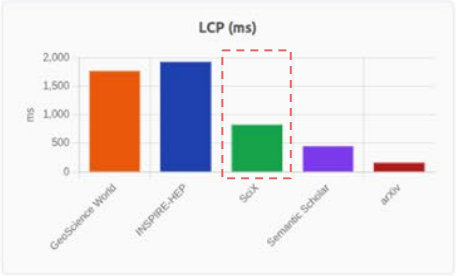
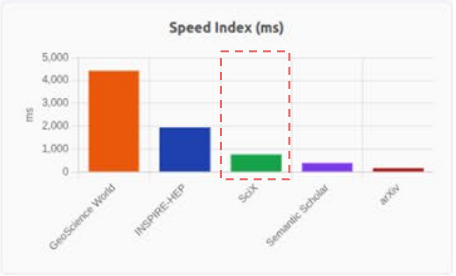
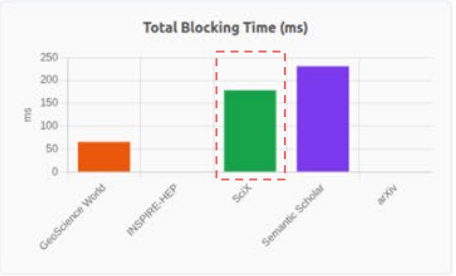
Competitor Performance Comparison: Article Pages

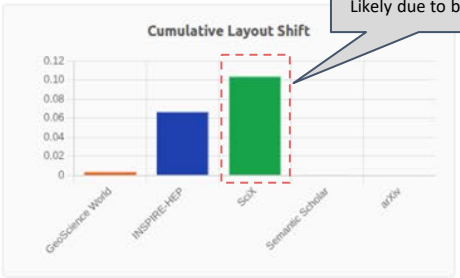
Article Pages (5 sites)

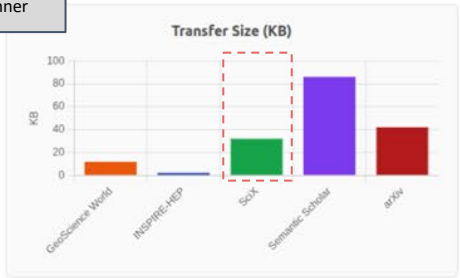












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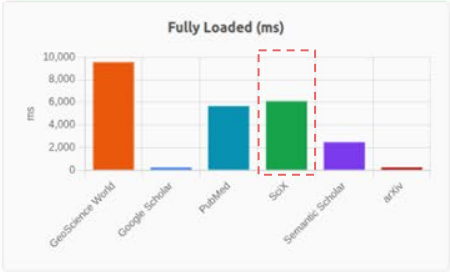
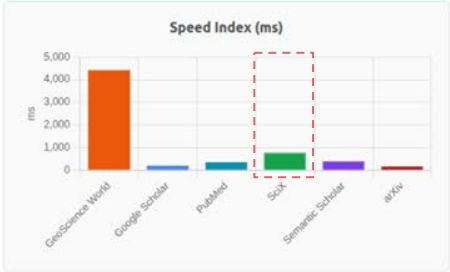
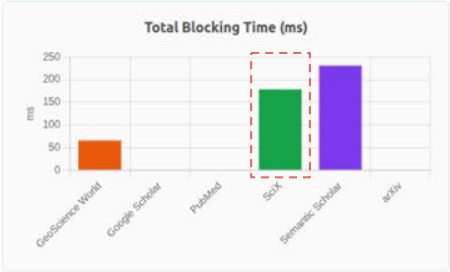
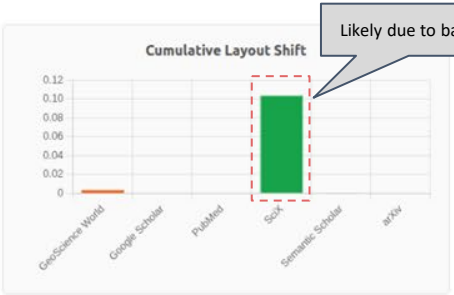
Competitor Performance Comparison: Search Pages

Search Pages (6 sites)









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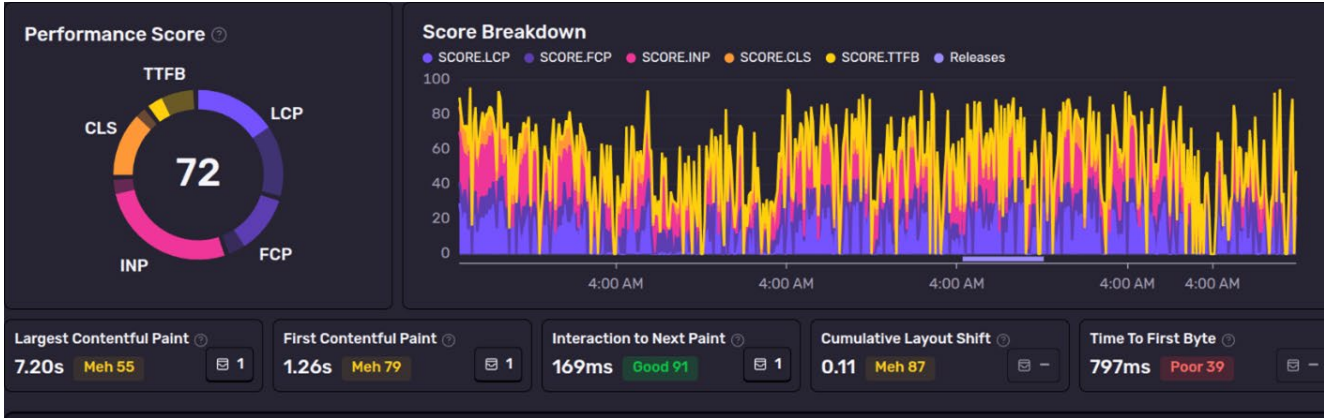
Internal Performance Monitoring

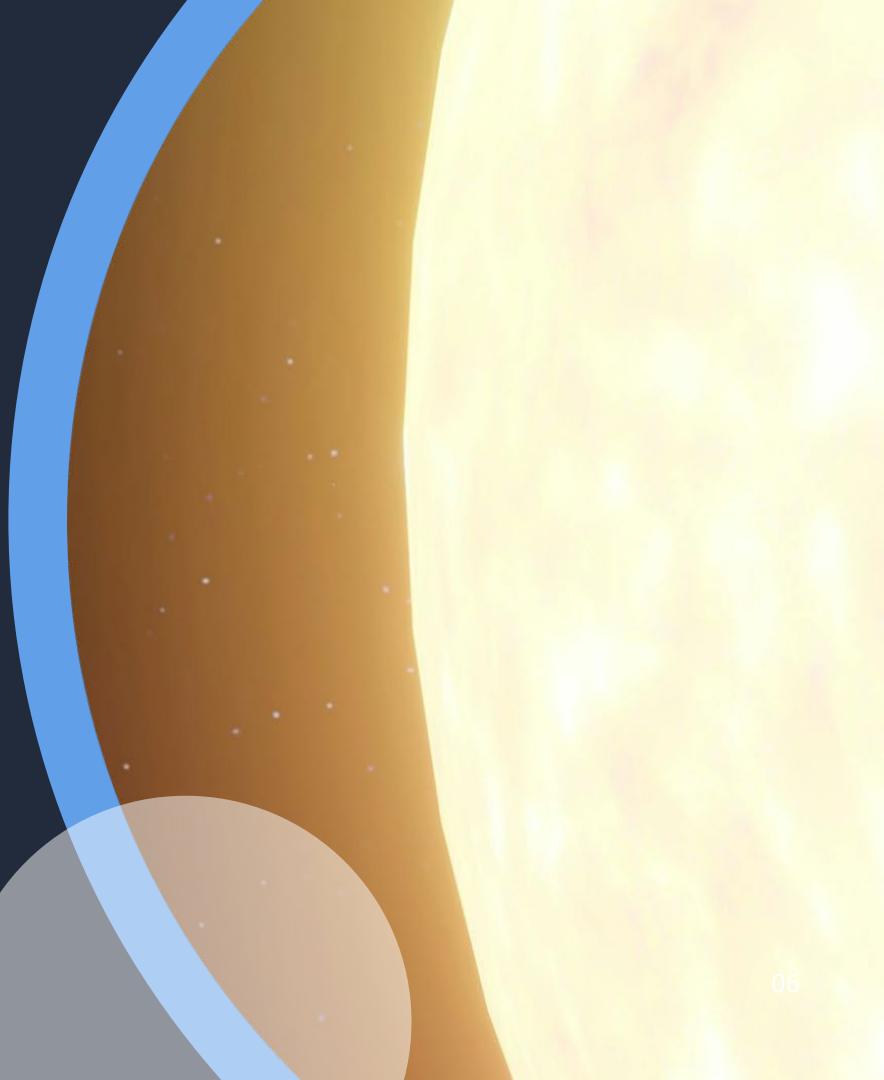
Web vitals tracking dashboard via Sentry allows us to see if a reported performance lag is on the user's end or a sign of larger performance problems.

Sentry has tools to explore performance regressions as a function of code releases.



The plan is to use Sentry and other tools to regularly monitor web vitals to ensure we catch regressions early (i.e. testing a new release) before many users are affected.

Questions?



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